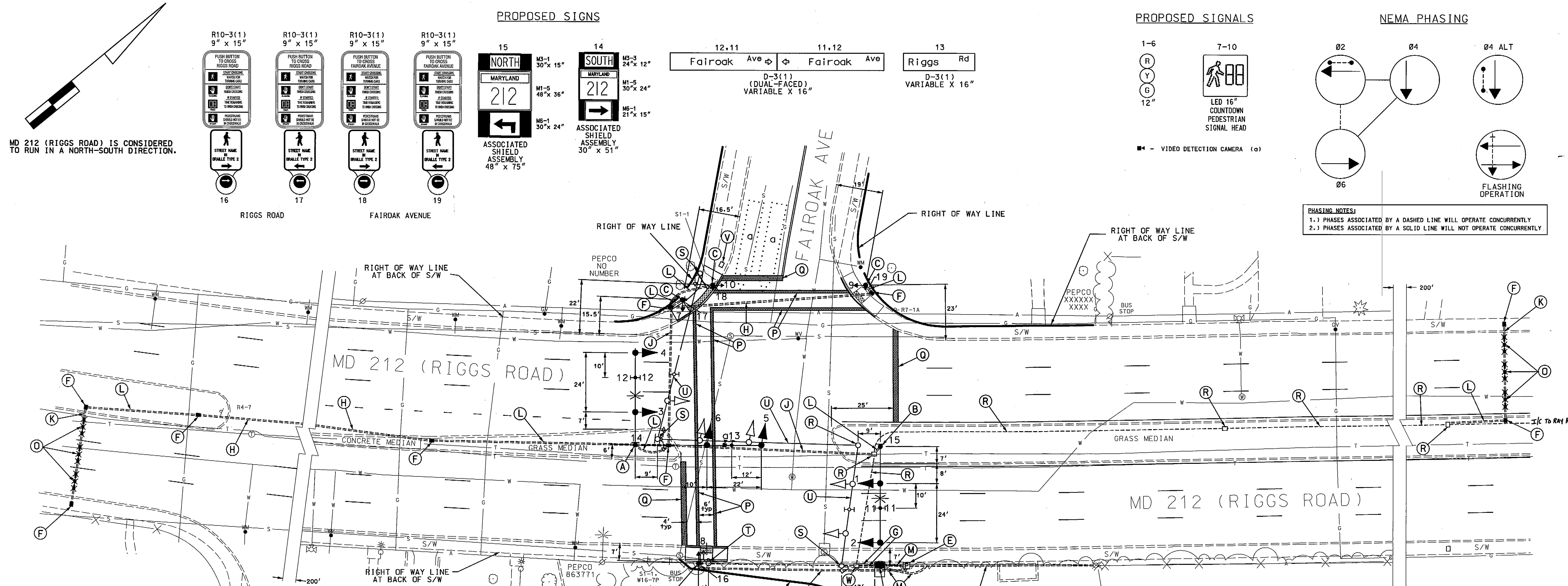

CONSTRUCTION DETAILS

A. Install 27' steel pole with twin 38'/50' mast arm, traffic signal heads, 20' lighting arm with 250 watt HPS (with photocell), pole mounted shield assembly, signs, and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with single 50' mast arm, traffic signal heads, pole mounted shield 20' lighting arm with 250 watt HPS (with photocell) assembly, signs, and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 10' breakaway pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

D. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

E. Install metered pedestal for electrical utility service equipment.

F. Install handhole.

G. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

K. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (slotted).

L. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

M. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

N. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 50' of 3 wire 1 conductor (No. 250 KCMIL) for proposed underground electrical power service by PEPCO to base of utility pole. (Note: Contractor shall trench a 2" polyvinyl chloride electrical conduit (Schedule 80) in the same to bypass metered pedestal and go into cabinet for phone drop.)

O. Install non-invasive micro loop probe sets with 500' lead-in cables 255' from stopline.

P. Pavement marking shall be done by the roadway contractor. (Crosswalk)

Q. Pavement marking shall be done by the roadway contractor. (Stopline)

R. Use existing handhole or conduit.

S. Remove existing strain pole with all attached pedestrian equipment and backfill 12" below grade. (Note: Contractor shall abandon existing conduit runs.)

T. Remove existing pedestal pole with all attached pedestrian equipment and backfill 12" below grade. (Note: Contractor shall abandon existing conduit runs.)

U. Remove existing span wire and all attached signal equipment.

V. Remove existing handhole and abandon existing conduit.

W. Use existing handhole and install a ground rod in this handhole. (Note: Contractor shall disconnect existing Interconnect from pole mounted cabinet, pull back to this handhole and reroute to proposed cabinet.)

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps.Refer to Signing and Marking Plans for more details. All crosswalk cross hatching has been left off for clarity and will be done by the roadway contractor.
4. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.
5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
6. Pushbutton arrows are to be parallel to the crossing for which they are intended.
7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements Of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design Waiver is obtained, approved by the Director, Office of Traffic and Safety.
8. The contractor shall remove all unused wiring.

GEOMETRIC LEGEND	
PROPOSED	———
EXISTING	— — —

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	—A—A—
ELECTRIC	—E—E—
TELEPHONE	—T—T—
GAS	—G—G—
SEWER	—S—S—
WATER	—W—W—
CABLE TV	—TV—TV—

REVISION "B"

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Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

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APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS
B 2-19-09 RECONSTRUCT TRAFFIC SIGNAL SHA NO.: PG7095177 JWA CJS 1-2-75
A ASBUILT SHA NO.: JG A.B.

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 212 (RIGGS ROAD) AND FAIROAK AVENUE

CHILLUM, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 5-14-74 CONTRACT NO. P397X-000-385

DESIGNED BY	J.GORDON	COUNTY	PRINCE GEORGE'S
DRAWN BY	J.GORDON	LOGMILE	16021200.46
CHECKED BY		TIMS NO.	J224
F.A.P. NO.		TOD NO.	

TS NO. 1161B DRAWING NO. 1 OF 2 SHEET NO. OF

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV: DATE: June 1, 2004

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